1;Seligmann & Seligmann E-5 (1907-1908) 1911
AX5 Vedda AX5

115 There were both "wild" and "village" Veddas even in the days of his youth, and the only difficulty experienced with the old man was in keeping the two classes perfectly distinct in his mind. The following facts were elicited in the course of three interviews, each lasting somewhat less than an hour. He stated that he was just able to walk when he came to the Eastern Province, and that as he grew up he spent much of his time with the Veddas hunting and collecting honey. The [156] Veddas of these days were a merry people, and with a most eloquent gesture the old man showed how they would throw dry leaves into the air and shout and dance for happiness; he said also that they were absolutely truthful. Every Vedda carried a bow and arrows and an axe; more arrows than one were 411 carried, but it was not clear that they only carried two; it seemed that *tudaḍi*, a word that the old man said was used to describe the number of arrows carried, may have meant a small quantity or may have been a hunting term corresponding to "brace" or "leash." The old man had seen Veddas shoot lying on their backs and holding the bow with their feet, but this was only for amusement and to show their skill, no serious shooting was done in this way. The feathers of peacocks, herons and hawks were especially used in feathering arrows; any of these [262] birds would be shot with an ordinary arrow, and peacock was eaten as was jungle fowl, though no one would eat porcupine or buffalo; for these abstinences he could give no reason. Traps were not used. Fish were eaten, being caught by poisoning the 226 water of pools with the bark of *dambu*, *walapata*, *pussiyala* 278 (? *Entada scandens*) and the fruit of *timbiri* (*Diospyros embryopteris*) and *kukuruman* (*Adenanthera bicolor*). Pots and bark 415 cloth bags were made and betel pouches of monkey skin, though even then some village Veddas had cloth betel bags, and these occasionally reached the wilder Veddas. Among the village 304 Veddas both sexes bored their ears and the women wore ivory 301 studs in them; whether the women of the wilder groups bored 184 their ears and wore these ornaments was not clear, certainly 372 the men did not. Fire was obtained from two pieces of wood by drilling.

342 The wilder Veddas of those days built no houses but lived
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1:Seligmann & Seligmann E-5 (1907-1908) 1911
AX5 Vedda AX5

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Plate XXIII

Seisin consisting of hair, tooth, quartz fragment, and strike-a-light

[facing p. 114]

2:Bailey G-5 (ca. 1854) 1863
AX5 Vedda AX5

They are very rude in their cookery, often burning the flesh in the fire, which they produce by rubbing together two pieces of the wood of the vellan tree (*Pterospermum suberifolium*, Sam.). A hole is scooped in one piece with an arrow-blade, and the other, which is pointed, is inserted into it, and twirled rapidly round between the hands till it ignites.

They are fond of betel, when they can get it; but in lieu of the compound which goes by this name, they have the following substitutes. Instead of the betel leaf, they eat the astringent bark of the demette tree (*Gmelina Asiatica, L.*), or the leaves of an aromatic plant called the madurutala (*Ocimum sanctum*—or *O. canum, L.*) For areka nut, they chew the bark of the moratree (*Nephelium longanum*, Camb.), the oupaloo or wellan connitta tree; and calcined snail shells, or the bark of the areloo tree (*Terminalia chebula*, Retz.), supplies the place of lime or chunam, which forms so important an ingredient in a prepared quid of betel. They do not smoke, and are very temperate, drinking water only.

I need not say that they are very simple and primitive in their habits. The "wilder sort" have had too little communication with the Singhalese to have acquired the vices of civilization. The few necessaries of life which the forest does not supply, such as steel and iron for their arrow-heads and axes, and the very scanty clothing which they wear, they obtain by barter, their wax and honey, elk flesh, and ivory, being eagerly sought after by the neighbouring Singhalese, or "the ubiquitous Moors."

They are very harmless, too; though, according to Knox, were much dreaded once. Even yet there are traditions that they kidnapped children, ran off with young girls, way-laid travellers, and attacked the tavalams or bullock-caravans. But now, at any rate, they are as peaceful as it is possible to be. They are proverbially truthful and honest. They are fond of their children, who early become useful to them; the boys soon are familiar with the use of the bow, while the girls, armed with a pointed stick, add to the family larder at a very tender age, by killing the iguano, and digging for wild yams.

Their constancy to their wives is a very remarkable trait in their character in a country where conjugal fidelity is certainly not classed as the highest of domestic virtues. Infidelity, whether in the husband or the wife, appears to be unknown, and I was

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kaduru (*strychnos, nux vomica*), the diwi kaduru (*taberna montana dichotoma*, Roxb.), the kolong (*naudea cordifolia*, Roxb.), the milla (*vitex altissima*, Linn.), the mora (*nephelium longanum*, Camb.), the kaluwera (ebony, *ebenum*, Retz), which they say would stupify them; but though the three first mentioned trees would be injurious, it is probably that the rest would be harmless.

4:Lewis N-5 (ca. 1906-1918) 1919
AX5 Vedda AX5

Equally they were acquainted with tobacco and betel, for I was shown a place where the Veddas established a toll that was paid usually in these particular commodities. 276 [651]

The dog was the only domestic animal reared by the Vedda, and special names were given to these pets. 231 552

The Veddas appeared to have no knowledge of melting iron for the manufacture of their particular implements, which consisted of the bow and arrow, the spear, and the small axe, or hatchet. Arrow and spear-heads were procured by barter; the method of procedure was to clear a small space round the foot of a tree by the wayside leading to a village known to contain smiths. Here the Vedda would hang up to the branch of a tree a vessel containing honey, or a piece of meat, which would be taken by the smith, who in return would hang up an arrow-head. 411 412 326 439

It was understood by both that the quantity or number of articles required would be represented by the number of parcels of meat or honey. Should the smith, however, take the meat and not leave the arrow-heads that were thus silently requisitioned, he would pay the penalty with his life, or some of his animals would be shot by the defrauded Vedda. [628]

The bow was usually made from the wood of the Dunumadala (*Stereospermum chelonioides*) and of the Bignoniaceæ. It was not always of the same length, as this appears to have depended on the springiness of the wood. The arrow was generally about 4 ft. long, or as much as a man could draw the bow to. The arrow-head appears to have been small, large arrow-heads being for ceremonial purposes only. 411 [824]

Fire was obtained by spinning, under moderate pressure, a vertical rod of Welanga wood (*Pterospermum suberifolium*) on a flat piece of wood of the same species, with the point of the former surrounded by floss, or some quickly inflammable material. Later, the flint and steel were found more effective. One example of a flint and steel was shown to me at Panawa, and I tried to purchase it at the owner's valuation, but I found he was most reluctant to sell. I understood that the flint and steel, a lock of hair, and a fragment of cloth represented a title deed, these being given by a dying man to his heir, or adopted heir, as a mode or evidence of transfer. 372 [824] 423 428

4: Lewis N-5 (ca. 1906-1918) 1919
AX5 Vedda AX5

137 few solitary examples of *S. urens*, but I feel confident that this last is an introduction. *Pterospermum suberifolium*—the Welanga of the Sinhalese—is very abundant.

824 372 411 The young straight shoots of this plant supplied the Vedda arrow, while the wood was employed by them for the manufacture of "fire drills."

The distribution of *Helicteres isora* is curiously restricted to what might be turned "patches," the largest of which I found at Etmole. *Heritiera littoralis*—the Chomanturai of the Tamils—is scarce, but occurs near Panawa and Pottuvil.

Of the Tiliaceæ, I noticed that the distribution of Halmilla (*Berrya ammonilla*) was not very general, while its abundance or scarcity appeared to be a matter of its easy access or the reverse. This is to be expected of so valuable a timber tree.

"*Vidpani*" (Tamil) (*Pityranthe verrucosa*), so plentiful in the Trincomalee District, is comparatively scarce in the Vedda country. Of the Grewias, *G. tiliæfolia*, *G. microcos*, and *G. polygama* are the commonest, but the first of these is not so abundant here as in the dry zone of the Ratnapura District.

As representing the Linaciæ, *Erythroxylon monogynum* may be taken as an abundant typical example. It is alleged in the Panawa Pattu that meat hung in the smoke from burning wood of this plant, if eaten produces a purgative action.

Both *Hiptage madablota* and *H. parvifolia* of the Malpighiaceæ occur in the Vedda country, but in no abundance.

The bright, but pestiferous, *Tribulus terrestris*, is to be found near Pottuvil and at Panawa, in places where the soil is not too dry, but its distribution does not spread far inland.

Of the Geraniaceæ I found very few examples. In some slightly moist spots, west of "Westminster Abbey," I observed *Biophytum sensitivum*, and in some of the tanks I got *Hydrocera triflora*, but in other respects, except the introduced *Averrhoa bilimbi* and *A. carambola*—common in gardens—this order is poorly represented. The Rutaceæ is not well represented in wild species, if we except the well-known *Feronia elephantum*, *Murraya kœnigii*, and *Toddalia aculeata*. In the gardens oranges, lime, and pummalo have been introduced, but with no marked success either in the matter of quality or quantity

3. A VEDDA OF DIVULANA

DIVULANA was recompense for our toil. The irrigation bungalow, placed high above the bund, over-looked the beautiful hill-encircled tank, whose glassy surface was broken by stones and snags on which cormorants and darters sunned.

Two miles within the forest lived Naga-Kauwa, a witless dwarf of fifty, the sole Vedda of Divulana. Born in Kovil Vannami, he came as a child to the Rasagala caves, of which in their best day his people occupied four or five. Now he and his family alone survived. Three years ago he had abandoned cave life for that of the *chena* ; and there we found him amidst his cassava and the tender teak he nursed for a consideration from Government.

His stalwart sons—quite unlike the father—brought us some yams, a mouse deer and a primitive drum—the broken-off rim of an earthen pot covered with wanderoo skin and fitted with a taut fibre.

Kauwa's hut was a thing to behold. The Tamils had said, "See Kauwa, this is the way to build a house" ; and Kauwa had built this crazy thing a child of twelve might have bettered. The thatch was a medley of dry grass and bark ; the walls were of wattle, which stuck out untrimmed through the roof, and bark slats so poorly fitted together that there was more aperture than cover. The structure was no more than four-foot square and two-storied at that ; merely a covered trestle three feet off the ground. In the lower floor his wife and children lay huddled like rats ; on the upper, its irregularities smoothed with bundles of rush (primary elements of a mat), the lord and master slept. Such was the caveman's first attempt at fashioning an abode. By the entrance was a fireplace, and, scattered about, were the bones of monkeys and monitor lizards and the carapaces of tortoises that had served for food. Stuck in the roof was a broken comb of buffalo horn, true touch of civilisation, for the test of a real Vedda is that his hair must be stranger to a comb.

Getting information from Kauwa was like squeezing water out of a stone ; he could no more describe the simplest thing than he could fly. Still, patience does much and this is what we gleaned :

Tortoises and pangolins are considered good eating by the Veddas ; but the porcupine they abhor, calling it a *rodiya* among beasts, and only killing it to give to their dogs. Why Veddas never eat porcupine I have not been able to ascertain : it is said that, in the old lawless days, they would go the length of burning down a Sinhalese hut in which they discovered a porcupine being cooked. Pork they love because it clears the blood, and one or two pigs a month the Vedda must have. Venison causes itching and is not so good !

Vedda cookery, simple in the extreme, can still boast some tasty dishes : *Gona-perume* is a sausage consisting of alternate layers of sambur meat and fat. *Le-perume* is the same, with the addition of a third layer of blood-clot. *Goa-thel-perume* is made by skinning the monitor's meaty

3. SOME VEDDA ARTS AND A DANCE

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EDIBLE LIME

276 [237] THE Vedda method of making from snail-shells an edible lime, the concomitant of a betel or bark chew, is interesting. Four varieties of snail afford it:—The large, white, land snails (*wantako* or *godang bello*); the small, black, river snails (*alang bello* or *gadu bello*), found in dry stream beds; the bivalved *ethai bello*; and the convoluted *kanburo* or *lanu bello*.

The *wantako* give the best lime. Six to twelve of their shells are dropped into a small fire, and a layer of dry twigs is laid over them. The flame is now vigorously fanned with a leafy sprig, to prevent the shells getting charred. When the overlying layer of twigs is reduced to embers, and the shells glow white, they are gently picked off with a stick, taken on the palm and placed in a large leaf (*kenda* or *kalmilla*). A little water is then added or, in its absence, saliva! The leaf is quickly folded over the shells which now disintegrate and "ripen." They are then smashed up with the fingers, and the chunam is distributed.

When the small *gadu bello* are used, the process is slightly different: the burnt shells, moistened and bundled in a leaf as before, are replaced on the embers quietened down with a sprinkling of water. The chunam from these is coarser and more gritty than that from the *wantako*.

FIRE MAKING

372 Fire is obtained by jungle folk in a variety of ways. When gun-powder is to hand there is a choice of two methods: (*a*) A little powder is placed on a stone and closely surrounded with small fragments of cloth or tree cotton. It is then ignited, and the rag set on fire, by striking it sharply with an axe-head previously warmed by rubbing on a rock. (*b*) When, in addition to powder, a cap is available, the powder is put into a small square of rag with the upturned cap in its centre. Into the cap the point of a knife is inserted, and the rag is closed over and clapsed firmly against the blade. The striking of this on a stone explodes the cap, ignites the powder, and lights the rag.

These methods being too wasteful for routine use, the commonest mode of fire-making in the jungles is by means of a C-shape iron strike-a-light (*gini-katuwa*) and a piece of chert or crystalline quartz (*irimana gal*), against which is a piece of *kitul* cotton or rag to take the spark when the two are struck together.

The most primitive, and essentially Vedda, art of making fire is by the attrition of two sticks. Although I had hitherto travelled much in Ceylon forests, always making inquiries about this mode of obtaining [184] fire, it was not until I came to Bingoda that I was able to see it done, and that with astonishing ease. In Henebedde and Bintenne the art was dead; indeed some of the Veddas had never even heard of it!

The light *velang* stick of which arrows are made is the wood *par excellence* for fire making. Elephants being fond of the tree, the dry

5: Spittel D-5 (ca. 1920) 1945 AX5 Vedda AX5

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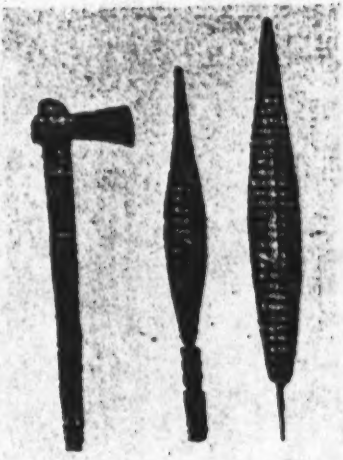
Strike-a-light and flint. (Page 74)



Vedda axe and audes

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Fire making by rubbing sticks. (Page 74)

[Facing p. 74]

5: Spittel D-5 (ca. 1920) 1945 AX5 Vedda AX5

sticks are easily obtainable from broken branches scattered everywhere. Gama, who was entrusted with the demonstration, chose two twigs, one the thickness of the index finger and about a foot and a half long, the other as thick as the little finger and about ten inches long. Having barked these, he whittled down the centre of the larger stick, and, in the flat surface thus produced, scooped out a shallow cavity, at one border of which he contrived a V-shaped extension. A piece of cloth about two inches square was placed on the ground under the centre of the stick which was held firmly down, cavity uppermost, by the toes of the operator, aided by the hands of an assistant. The smaller stick was then placed vertically over the other—its point, rendered bluntly conical, engaging in the cavity—and briskly rotated between the open palms. The firm downward pressure with which these movements were accompanied, caused the palms to descend the length of the stick from time to time. As often as this happened, the hands were quickly disengaged and re-applied as before to the upper part, and the twirling manoeuvre repeated. This had been done but twice when smoke was seen. Soon a small heap of charred dust like coffee-grounds accumulated round the hole, to escape down the V-shaped gutter on to the cloth. The smoke increased; there was a smell of charred wood. Suddenly a spark was thrown on to the black dust and the rag caught fire. A few dry leaves were collected and set alight. Within two minutes of the commencement of the operation there was a lively fire. When the smoke is observed to come from the accumulated dust, apart from that at the point of contact between the two sticks, it is a sign that the object is achieved. The rag is then rolled to enclose the dust—cigarette-fashion—and blown into at one end, so that it soon smokes heavily and catches fire.

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It is strange that an art so simple in adept hands (not by any means so in those of a novice) should have been allowed to fall into disuse in wild Ceylon. I have seen refinements of this method; a coconut-shell, flat stone, or skull of a small animal for instance, being used by an assistant to press down the vertical stick, and a twist of bark to rotate it but they were less effectual than the simple procedure I have described.

[178]

ARCHERY

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The present day Veddas, we have seen, are poor bowmen; they have, however, not yet quite lost the art of fashioning superb bows and arrows.

The bow is made from the *mahakakala-gaha* or the *kobawela*; the stone bow (*gal-dhunna*) from the *gatawela-gaha*; the bow string from the inner sheath of the bark of *aralu-wel*.*

[324]

The size of the bow is proportioned to the archer's strength. I have seen one six and a half feet long and as thick as a child's wrist; and, judging from its drawing power, no hand but a giant's could have wielded it. The usual length of a bow is from five and a half feet to five feet ten inches. It is made of a single stave, thick at the centre, without contrivance to give grip, flattened along the back, and tapering towards the horns which, without being notched, are tightly encircled by a few turns of cord to prevent the string slipping.

The arrow is made from the *es* or *welang*† tree, the wood of which when dry is of remarkable lightness. A straight twig the girth of the finger

*Terminalia chebula.

†Pterospermum suberifolium.

5: Spinel D-5 (ca. 1920) 1945 AX5 Vedda AX5

342 eggs of gekkoes very like candle droppings. A few of the caves have drip ledges (evidence of Sinhalese occupation) which serve to keep them dry: those without this feature are all adrip during the rains and their floors are mossy. Rocky out-crops, large loose stones and, perhaps a white-ant hill or two, divide up the floor space into sections in which the various Vedda families lie grouped, each in its allotted span. Here and there the stony floor is cupped where maize has been pounded, or worn [370] smooth where *kurrukhan* has been rubbed to flour with the flat polished stones that lie about. A fire-place or two, a cooking frame, and dry leaves (*pana*, *pinney dea*, or *helanea*), the bedding of these people, complete the picture.

Let us take the more important of the caves as we pass them on our way from Bingoda to Newaragala. Like our houses they are all named.

Matigaha galge is a deep roomy grotto formed by a superincumbent rock mass supported slantwise on large flanking boulders. Partially obstructing its entrance, and just within cover of its roof, is a steep rounded stone which one family would occupy silhouetted against a [312] tree-intersected sky. Its only source of water is the Magalavatan Aar a quarter mile away. This disadvantage, and its nearness to the Bingoda homes, accounts for its present disuse. Süthu Banda was born here. Kaurala who had not seen it since his childhood could not help a word of regret on seeing it now after the long years: "Ah!" he sighed. "Is this the old home. No one to inhabit it now,"

Gallhale galge (Rock-slab cave) owes its name to a slab of rock within it, beneath which one must crawl to gain a gloomy inner compartment. A reedy pool below, and the cyfax, cactus and vines about its mouth give it a touch of wild picturesqueness.

Alu galge (Ash cave), which lies at the base of Newaragala, is less a cave than a passage under an immense boulder spanning two lateral outcrops. It is so well concealed by large stones guarding its mouth that one would not suspect its presence even when standing within a few feet of it. The floor slopes up steeply towards a narrowing exit, and is so bestrewn with rocks as to afford no convenient resting place. Yet, in a cranny here or a basin there, the Veddas contrive to make themselves comfortable, as the withered leaves that have served them as mats testify. A small tripodal frame shows where flesh has been [312] roasted. There is no lack of water here; for not only does a perennial spring lie at its entrance, the resort of innumerable bears during the drought, but in the rainy season a rivulet flows right through the cave.

This cave is a favourite of the Veddas who come here when the jak 222 trees, which grow on the slopes of Newaragala, are in fruit. Then, spending [261] a few days, they feast to surfeiting on the tender fruit, and with their characteristic improvidence carry none away. It was here that Kaurala stayed when he "skinned" Nuwaragala—which was his own beautiful way of saying he had stripped it clean of hives. How secret are the ways of Veddas may be judged from the fact that here was a cave frequented by them without its being known to the Sinhalese who lived six miles away. And we who had once spent a night on Newaragala were ignorant that here below us was a cave used by the very Veddas we yearned to know.

261 But of all the caves I have seen *Dhik galge* was the best. I have already described this cave; it remains for me to add a few vital touches. In

5; Spittel D-5 (ca. 1920) 1945 AX5 Vedda AX5

222 the hives are beyond the reach even of this: and then, though the honey itself may not be secured, the wax may, by being dislodged with long bamboos and collected at the foot of the hill; *iti bambara* (wax hives) such combs are called. There are others, so safe under prominent brows, that they are absolutely untakeable; *yakkini baliya* (she-demon's portion) is the name of them.

[417] When the rock is not too high, the ladder is made long enough to reach the ground, where it can be held slantwise close up against the face of the rock, bringing the gatherer within easier access of the hive. But where the hill is too lofty for this, as usually happens, the ladder hangs free, and the gatherer may even have to swing to and fro to enable him to get at the combs. Nor is this all; the *bambaras*, several of which may kill a man, have to be reckoned with; they can only be dispersed by heavy smoking; and, what is worse, when several hives are clustered together in a colony, the work has to be done on a pitch dark night.

Imagine then the picture of the man smothered in smoke, assailed by angry bees, swinging in the darkness two hundred feet or more above the stony earth, with neck and knee hitched to the ladder so as to leave the arms free to manipulate torch and prong. Is it a wonder that every Vedda is not a *kapunkaraya* or cutter, but only the boldest of them; and that he, when he descends to his work, does so without thought in his heart of life or father or mother?*

222 417 284 We will now describe the scene as it actually takes place:—On Panihela were five large combs the Veddas meant to have one night. That morning they assembled on the rock. Their first business was to collect the canes and vines that go to the making of the ladder (*yothala*). Two canes, some twenty or thirty feet long and about an inch in diameter, were cut, dragged to the top of the hill, and lined out. Knotting the end of one to a tree they split it in half. One man, standing at the end, held these apart; while two others stood in between, constructing strong rungs at intervals of two feet with *kiriwel* creepers, which they first looped round the two halves of the cane and then bound together with a running twist. A ladder of any length may thus be constructed; for, should a single cane not be long enough, its ends are looped and interlocked with similar loops in another length of split cane. The ladder is finished off by overlapping and binding together the free ends in the form of an U. This is the type of ladder employed in the perilous descents; where the drop is easier they do not go to all this trouble, but merely split the end of the cane for a yard or so and tie a stick across; standing on this the man is lowered.

372 222 The ladder having been completed, the *hullas* or torches and the *matha* or forked stake are yet to make. The torches, four of which are required, are designed to give a maximum of smoke, and are therefore constructed by enclosing dry *mana* grass, leaves and bark within a sheath of green leafy twigs. The *matha* or *masleya* is a stake six feet long, made of the light *velang* or *walumala*; it is pointed at one end and forked at the other by being split cross-wise into four pointed prongs which are kept apart by two pieces of stick wedged in cross-wise and tied. Both *matha* and *hulas* have long loose loops attached to them by which they are slung to the arms when not in use.

* "*Pana epa hiyath wala bahinay; amma thatha epa hiyala.*"

5: Spittel D-5 (ca. 1920). 1945 AX5 Vedda AX5

Lastly, there is the *kangotuwa* (deer-skin receptacle for the honey), or *yakka-katte* (devil's mouth) as it is reverently called out of deference to the tutelary demons of the rock, who might otherwise be angered and send the cutter to his doom.

A pile of firewood is now collected on top of the rock to protect the guardians of the ladder, while another heap is made by those below. All being ready they await the protecting darkness. When this comes the play begins. The great fire at the foot of the rock is lit and fed abundantly with green leaves; large volumes of smoke lick uncannily up the side of the hill towards the hives; now there is a stir among the bees. As the Veddas hear it their merriment waxes great: "*Bambaru, bambaru, bambaru; thapita, thapita, thapita. Ho bambaru thuape**;" they cry. "*Giddi, giddi, giddi; rung, rung, rung,*" they jeer in imitation of the flight.

Meanwhile the fire above has been lighted, and two smoking *hulas* have been lowered towards the hives. The air is heavy with the ominous hum of angry bees.

Now is the time for the descent. The ladder, firmly secured to a tree or stone, and guarded by the brother-in-law of the cutter (the only person ineligible to marry his wife in the event of accident), is let down with a propitiatory incantation† to the demons of the rock and ancestral spirits. This being uttered, the hand grip is said to be strong and the feet to cling like jak milk to the stone.

With smoking *hulas* looped to forearms and *matha* slung on shoulder, and hair dishevelled over his face that the bees may not get at his eyes and nose, the cutter, gripping the cane with a single hand, disappears over the edge of the cliff into the darkness and the smoke. The ladder creaks as he feels his way down, for he sees nothing.

He has reached the level of the hives. At a signal the deer-skin receptacle is lowered to him, and this he secures to the ladder. Thrusting a leg between two rungs so that his foot is on the lower and his bent knee against the upper, and his head between two others so that the back of his neck is braced against a rung, he is free to use his hands. First he smokes the hives with the *hulas* mounted on the *matha* and drives away the lingering bees. Then, slinging the *hulas* on his forearms, he takes up the stake and, with its pointed end, cuts horizontally through the lower part of the comb, separating off the useless *yotha* with its contained grubs which the bees stoutly defend. He next cuts the comb in vertical sections, and, loosening each from its attachment, spits it with the pronged end of the stake, removes it, and shakes it into the receptacle at his knee. Thus he deals with all the hives.

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* "The bees, the bees, the bees; pile the fire, pile the fire, pile the fire. Ho! the bees run."

† *Yothinawa* it is called; and thus it goes:—

Haiboa, haiboa, haiboa.
Ma winthagang kotuahoo maritchoo,
Ahd upang naventhongis maihi kolaney,
Maihi wal opuhova thenawa kithen,
Hamatheyan santhosen opuaragana karunahagena.
Tho badey yanna, tho badey yanna, tho badey yanna.